#### INTERNATIONAL SEARCH REPORT

ational Application No

		<del></del>	
A CLASS	F04D29/46		1,
According	to International Patent Classification (IPC) or to both national classif	ication and IPC	
	SEARCHED		
IPC 7	focumentation searched (classification system followed by classification F04D F02C F02B F01D	ation symbols)	
Documents	ation searched other than minimum documentation to the extent that	such documents are included in the fields so	eerched
	data base consulted during the international search (name of data bata, PAJ, EPO-Internal	ase and, where practical search terms used	)
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category •	Citation of document, with indication, where appropriate, of the n	elevant passages	Relevant to daim No.
x x	EP 0 099 847 A (CARRIER CORP) 1 February 1984 (1984-02-01) page 6, line 23 -page 9, line 5;	figure 1	1,6-9, 14-16 17,18, 20-24
A	page 11, line 13 - line 28; figu	ire 2	19
A	US 3 362 624 A (ENDRESS JAMES W) 9 January 1968 (1968-01-09) column 3, line 5 - line 35; figu		1,9,17
А	US 3 365 120 A (KURT JASSNIKER) 23 January 1968 (1968-01-23) column 2, line 4 - line 60; figu	re 1 	1,5,9, 13,17, 18,20
Furl	ther documents are listed in the continuation of box C.	χ Patent family members are listed i	n annex.
"A" docum consi "E" earlier filing "L" docum which claim other "P" docum	ategories of cited documents:  ment defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified)  ent reterring to an oral disclosure, use, exhibition or means  ment published prior to the international filling date but than the priority date claimed	"T" later document published after the limits or priority date and not in conflict with cited to understand the principle or the invention  "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an involve and inventive step with one or more ments, such combined with one or more in the art.  "&" document member of the same patent if	the application but bory underlying the latmed invention be considered to cument is taken alone latmed invention ventive step when the re other such docu- is to a person skilled
Date of the	actual completion of the International search	Date of mailing of the international sear	rch report
	29 June 2004	06/07/2004	
Name and	malting address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer D1 G1orgio, F	

Form PCT/ISA/210 (second sheet) (January 2004)

#### INTERNATIONAL SEARCH REPORT

information on patent family members

l ational Application No	
PCT/GB 03/04903	

Patent document cited in search report		Publication date		Patent family member(s) -	Publication date
EP 0099847	Α	01-02-1984	US	4460310 A	17-07-1984
			ΑU	548325 B2	05-12-1985
			ΑU	1566583 A	05-01-1984
			DE	3368095 D1	15-01-1987
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			IN	158399 A1	08-11-1986
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			JP	3051920 B	08-08-1991
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			KR	8700016 B1	28-01-1987
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			FR	1429138 A	18-02-1966
			GB	1106107 A	13-03-1968
			NL	126489 C	-
			NL	6406513 A	12-11-1965

Form PCT/ISA/210 (patent family annex) (Lanuary 2004)

From the INTERNATIONAL SEARCHING AUTHORITY	<b>D</b> 0-
To:	PCT
BARON & WARREN	NOTIFICATION OF TRANS
Attn. Johnstone, Douglas I.	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT
19 South End, Kensington	OR THE DECLARATION
London W8 5BU BARON & WARHLI	5.1 ME DECLARATION
	(DCT Duty 44 to
• RECFIVED	(PCT Rule 44.1)
- 5 JUL 2004	
To TKSWI I INSMI // RISC	<del></del>
Duto KSW Band REC	Pate of mailing (day/month/year)
	(day/month/year) 06/07/2004
Applicant's or agent's file reference	00/07/2004
DJ/38494 COMP. DIARY No.	FOR FURTHER ACTION See paragraphs 1 and 4.1
International application No.	eee paragraphs 1 and 4 below
PCT/GB 03/04903	International filing date (day/month/year)
Applicant -	12/11/2003
applical it	
HONEYWELL INTERNATIONAL, INC.	
THE.	
1. X The applicant is hereby notified that the International Secret	
	Report has been established and is transmitted herewith
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims	The contract of the contract o
When a street we have a street of the claims	or the International Application (see Rule 46):
When? The time limit for filing such amendments is normall international Search Report; however, for more detailed.	y 2 months from the date of transmittal of the
	alls, see the notes on the accompanying sheet.
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes	
1211 Geneva 20 Switzerland	
Fascimile No.: (41–22) 740.14.35	
For more detailed instructions, see the notes on the accom-	panying sheet.
<ol> <li>The applicant is hereby notified that no International Search F Article 17(2)(a) to that effect is transmitted herewith.</li> </ol>	Report will be established and that the declaration under
With regard to the protect against normal to	
3. With regard to the protest against payment of (an) additiona	I fee(s) under Rule 40.2, the applicant is notified that:
applicant's request to forward the texts of both the protes	t and the decision thereon to the designated Offices.
no decision has been made yet an it	
no decision has been made yet on the protest; the application	ant will be notified as soon as a decision is made.
. Further action(s): The applicant is reminded of the following:	
the following:	·
Shortly after 18 months from the priority date, the international applies if the applicant wishes to avoid or postpone publication, a notice of	cation will be published by the International Bureau
pilotity Claim, must reach the International Durant	more than of the international application or of the
Within 19 months from the priority date, a demand for international p wishes to postpone the entry into the national phase until 30 month.	reliminary examination must be filed if the and it
before all designated Offices which have a state applicant must perform the	ne prescribed acts for entry into the national above
before all designated Offices which have not been elected in the de priority date or could not be elected because they are not bound by	mand or in a later election within 19 months from the
sic not bound by	Onapter II.

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2

NL-2280 HV Rijswijk

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Fax: (+31-70) 340-3016

Authorized officer

Chrystalla Louca-Dreper

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Form PCT/ISA/220 (July 1998)

### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

## INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

## What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

## What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled:
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
  "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
  claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
   "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:

   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added."
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- [Where various kinds of amendments are made]:

   "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1))

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

## Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

## Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide. ALLIN VOOLENATION THEAT

# **PCT**

## **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Notification o	f Transmittal of Inten	national Search Report
DJ/38494	ACTION	(Form PC1/ISA/2	20) as well as, where	applicable, item 5 below.
International application No.	International filing date (d	ay/month/year)	(Earliest) Priority (	Date (day/month/year)
PCT/GB 03/04903	12/11/	2003		
Applicant				
HONEYWELL INTERNATIONAL,	INC.			
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this Internation	nal Searching Auth Il Bureau.	ority and is transmitt	ed to the applicant
This International Search Report consists  It is also accompanied by	of a total of3 a copy of each prior art doc		report.	
Basis of the report				
With regard to the language, the language in which it was filed, unl	international search was ca ess otherwise indicated und	rried out on the bas ler this item.	is of the international	application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis	of a translation of th	e international applic	cation furnished to this
b. With regard to any nucleotide an was carried out on the basis of the	d/or amino acid sequence	disclosed in the int	ernational application	n, the international search
1 ——	nal application in written for	m.		
filed together with the inte	mational application in com	puter readable form	ı.	
furnished subsequently to	this Authority in written for	n.		
· =	this Authority in computer r			•
international application a	sequently fumished written s filed has been fumished.			
the statement that the info furnished	rmation recorded in compu	ter readable form is	identical to the writte	en sequence listing has been
2. Certain claims were four	nd unsearchable (See Box	i).		
3. Unity of invention is lack	king (see Box II).			
4. With regard to the titte,				
X the text is approved as su	bmitted by the applicant.			
the text has been establis	hed by this Authority to reac	as follows:		
5. With regard to the abstract,				
the text is approved as su the text has been establis within one month from the	bmitted by the applicant. hed, according to Rule 38.2 date of mailing of this interi	(b), by this Authority national search repo	y as It appears in Boo ort, submit comments	III. The applicant may, to this Authority.
6. The figure of the drawings to be publication	ished with the abstract is Fig	gure No.	1	·
X as suggested by the applic	cant.			None of the figures.
because the applicant falle	ed to suggest a figure.		_	-
because this figure better	characterizes the invention.			
L				

Form PCT/ISA/210 (first sheet) (July 1998)

PCT/GB 03/04903 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F04D29/46 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) FO4D FO2C FO2B FO1D IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) WPI Data, PAJ, EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. EP 0 099 847 A (CARRIER CORP) X 1,6-9,1 February 1984 (1984-02-01) 14-16 page 6, line 23 -page 9, line 5; figure 1 X 17,18, 20-24 page 11, line 13 - line 28; figure 2 Α 19 US 3 362 624 A (ENDRESS JAMES W) 1,9,17 9 January 1968 (1968-01-09) column 3, line 5 - line 35; figure 1 US 3 365 120 A (KURT JASSNIKER) Α 1,5,9, 23 January 1968 (1968-01-23) 13,17, 18,20 column 2, line 4 - line 60; figure 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention \*E\* earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 29 June 2004 06/07/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo ni,

Fax: (+31-70) 340-3016

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Di Giorgio, F

minormation on patent family members	
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PCT/GB 03/04903

		1 3 1, 25 00, 04903			
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0099847	Α	01-02-1984	US AU DE DE EP IN JP JP KR	4460310 A 548325 B2 1566583 A 3368095 D1 99847 T1 0099847 A1 158399 A1 1689049 C 3051920 B 59015695 A 8700016 B1	17-07-1984 05-12-1985 05-01-1984 15-01-1987 20-06-1984 01-02-1984 08-11-1986 11-08-1992 08-08-1991 26-01-1984 28-01-1987
US 3362624	Α	09-01-1968	NONE		
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